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ABSTRACT

This book is designed to help new faculty members in engineering and the sciences become effective teachers and researchers. Part 1 focuses on teaching, and includes six chapters which cover: characteristics of student learning, planning a course, conducting discussions and lectures, preparing examinations and assignments for students, and working with teaching assistants. Part 2 examines issues in research, and includes six chapters on the following topics: supervising of graduate research, getting funding for research projects, writing research papers, reviewing research proposals and papers, presenting talks on research results, and conducting graduate seminar programs. (Contains 110 references.) (MDM)

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